WHAT IS CLAIMED IS:

- 1. A mesh reinforced breathable film comprising a breathable film layer and a mesh layer attached to the breathable film layer.
- 2. The mesh reinforced breathable film of claim 1 wherein the breathable film layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene and high density polyethylene, the polymer material being modified to allow water vapor permeability.
- 3. The mesh reinforced breathable film of claim 2 wherein the mesh layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene, high density polyethylene, polypropylene, and polyethylene-polypropylene copolymer.
- 4. The mesh reinforced breathable film of claim 1 wherein the breathable film layer has a thickness of from about 0.0005 inches to about 0.015 inches.
- 5. The mesh reinforced breathable film of claim 1 wherein the mesh layer comprises mesh strands, the mesh strands having a width of from about 0.005 inches to about 0.060 inches and a depth of from about 0.005 inches to about 0.060 inches.
- A method of forming a mesh reinforced breathable film comprising: extruding a breathable film layer; and coextruding a mesh layer with the breathable film layer.
- 7. The method of claim 6 wherein the breathable film layer is comprised of a
 polymer material selected from a group consisting of low density polyethylene, linear

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low density polyethylene, metallocene linear low density polyethylene and high density polyethylene, the polymer material being modified to allow water vapor permeability.

- 8. The method of claim 6 wherein the mesh layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene, high density polyethylene, polypropylene, and polyethylene-polypropylene copolymer.
- 9. The method of claim 6 wherein extruding the breathable film layer includes extruding a breathable film having a thickness of from about 0.0005 inches to about 0.015 inches following extrusion.
 - 10. The method of claim 6 wherein coextruding the mesh layer comprises coextruding a mesh layer having mesh strands, the mesh strands having a width of from about 0.005 inches to about 0.060 inches and a depth of from about 0.005 inches to about 0.060 inches.
 - 11. A method of forming a mesh reinforced breathable film comprising: forming a breathable film layer; forming a mesh layer; and laminating the mesh layer to the breathable film layer.
 - 12. The method of claim 11 wherein the breathable film layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene and high density polyethylene, the polymer material being modified to allow water vapor permeability.
- 13. The method of claim 11 wherein the mesh layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene, high density polyethylene, polypropylene, and polyethylene-polypropylene copolymer.

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14. The method of claim 11 wherein forming the breathable film layer includes forming a breathable film having a thickness of from about 0.0005 inches to about 0.015 inches.

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15. The method of claim 11 wherein forming the mesh layer comprises forming a mesh layer having mesh strands, the mesh strands having a width of from about 0.005 inches to about 0.060 inches and a depth of from about 0.005 inches to about 0.060 inches.

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16. A method of forming a mesh reinforced breathable film comprising: providing a breathable film layer; applying adhesive to the breathable film layer; and overlaying a mesh layer onto the adhesive.

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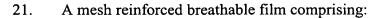
17. The method of claim 16 wherein the breathable film layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene and high density polyethylene, the polymer material being modified to allow water vapor permeability.

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18. The method of claim 16 wherein the mesh layer is comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene, high density polyethylene, polypropylene, and polyethylene-polypropylene copolymer.

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- 19. The method of claim 16 wherein the breathable film layer has a thickness of from about 0.0005 inches to about 0.015 inches.
- 20. The method of claim 16 wherein the mesh layer comprises mesh strands having a width of from about 0.005 inches to about 0.060 inches and a depth of from about 0.005 inches to about 0.060 inches.



a breathable film layer having a thickness of from about 0.0005 inches to about 0.015 inches, the breathable film layer being comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene and high density polyethylene, the polymer material being modified to allow water vapor permeability;

a mesh layer having mesh strands, the mesh strands having a width of from about 0.005 inches to about 0.060 inches and a depth of from about 0.005 inches to about 0.060 inches, the mesh layer being comprised of a polymer material selected from a group consisting of low density polyethylene, linear low density polyethylene, metallocene linear low density polyethylene, high density polyethylene, polypropylene, and polyethylene-polypropylene copolymer.

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